

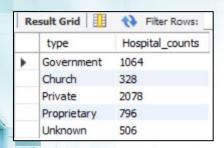
#### SELECT

type, COUNT(\*) AS Hospital\_counts

**FROM** 

facility

GROUP BY Type;



# Find the hospitals with the highest overall rating (5 stars) in each state.

SELECT

f.Name, f.State, r.Overall AS highest\_rating

**FROM** 

facility f

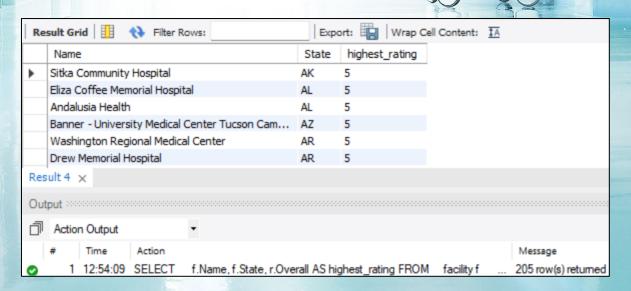
JOIN

rating r ON f.Facility\_ID = r.Facility\_ID

WHERE

r.Overall = 5

GROUP BY f.Name, f.State;



# List hospitals where the mortality rating is below the national average.

**SELECT** 

f.Name,f.City, f.State,r.Mortality as Mortality\_Rating

**FROM** 

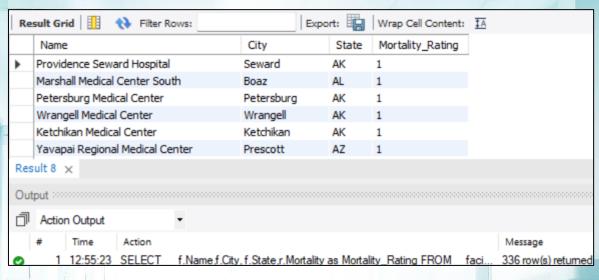
facility f

**JOIN** 

rating r ON f.Facility\_ID = r.Facility\_ID

WHERE

r.Mortality = 1;



# Compare the average overall rating between government and private hospitals

SELECT

f.Type, AVG(r.overall) AS Avg\_Ovr\_Rating

**FROM** 

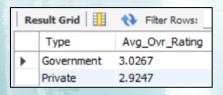
facility f

JOIN

rating r ON f.Facility\_ID = r.Facility\_ID

WHERE

f.Type IN ('Private', 'Government')
GROUP BY f.Type;



# Find the hospitals with the highest average cost for each procedure (Heart Attack, Heart Failure, Pneumonia, Hip/Knee).

#-----#

**SELECT** 

f.Name, p.Heart\_Attack\_Cost

**FROM** 

facility f

JOIN

procedures p ON f.Facility\_ID = p.Facility\_ID

ORDER BY p.Heart\_Attack\_Cost DESC

LIMIT 10;



#-----#

SELECT

f.Name, p.Heart\_Failure\_Cost

**FROM** 

facility f

JOIN

procedures p ON f.Facility\_ID = p.Facility\_ID

ORDER BY p.Heart\_Failure\_Cost DESC

LIMIT 10;

R	esult Grid   1	Export	
	Name	Heart_Failure_Cost	
١	Corpus Christi Medical Center, the	22265	
	Medina Memorial Hospital	21894	
	Indianhead Medical Center Shell Lake	21621	
	Mahnomen Health Center	21324	
	Mountain View Regional Medical Center	21166	
	Au Medical Center	21129	

#-----#

SELECT

f.Name, p.Pneumonia\_Cost

FROM

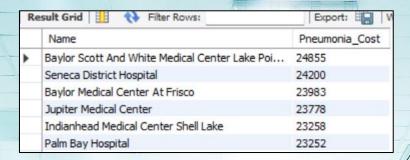
facility f

**JOIN** 

procedures p ON f.Facility\_ID = p.Facility\_ID

ORDER BY p.Pneumonia\_Cost DESC

# LIMIT 10;



#-----#

SELECT

f.Name, p.Hip\_Knee\_Cost

**FROM** 

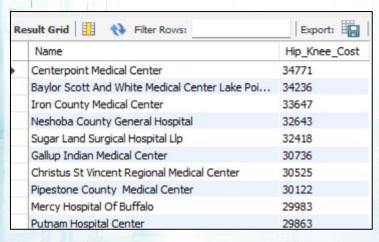
facility f

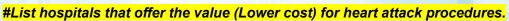
JOIN

procedures p ON f.Facility\_ID = p.Facility\_ID

ORDER BY p.Hip\_Knee\_Cost DESC

LIMIT 10:





SELECT

f.Name, p.Heart\_Attack\_Cost, p.Heart\_Attack\_Value

**FROM** 

facility f

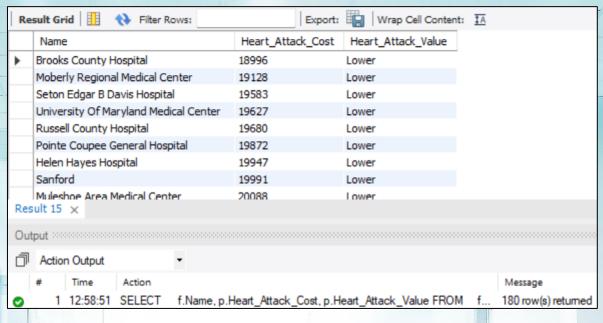
JOIN

procedures p ON f.Facility\_ID = p.Facility\_ID

WHERE

p.Heart\_Attack\_Value = 'Lower'

ORDER BY p.Heart\_Attack\_Cost ASC;



#List hospitals that offer the value (Lower cost) for Pneumonia Cost procedures.

SELECT

f.Name, p.Pneumonia\_Cost, p.Pneumonia\_Value

**FROM** 

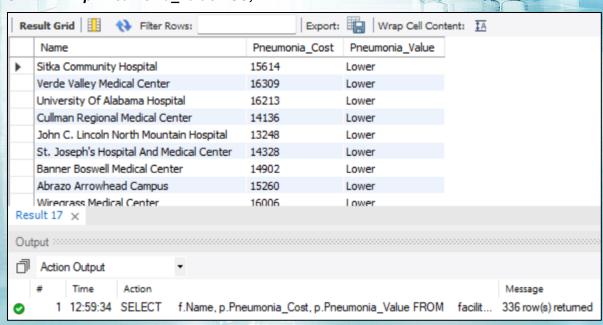
facility f

JOIN

procedures p ON f.Facility\_ID = p.Facility\_ID

WHERE

p.Pneumonia\_Value = 'Lower'
ORDER BY p.Pneumonia\_Value ASC;



#List hospitals that offer the value (Lower cost) for Hip\_Knee\_Cost procedures.

SELECT

f.Name, p.Hip\_Knee\_Cost, p.Hip\_Knee\_Value

**FROM** 

facility f

JOIN

procedures p ON f.Facility\_ID = p.Facility\_ID

WHERE

p.Hip\_Knee\_Value = 'Lower'

ORDER BY p.Hip\_Knee\_Cost ASC;

	1										
Re	sult Grid 📗 🐧	Filter Ro	ws:		Export		Wrap Cell Co	ontent: ]	Α		
164	Name			Hip_K	(nee_Cost	Hip_K	nee_Value				
•	Cleveland Clinic Ho	spital		15517	,	Lower					
	Faulkton Area Med	lical Center	r	16009	)	Lower					
	Chi St Lukes Health	n Memorial	Lufkin	16683	}	Lower					
	Arkansas Heart Ho	spital, Llc		16738	}	Lower					
	Kaiser Foundation	Hospital - I	Baldwin Park	16779	)	Lower					
	Siloam Springs Reg	jional Hosp	ital	16785	i	Lower					
	Banner Boswell Me	dical Cente	er	16861		Lower					
9	Glendale Mem Hosp	pital & Hlth	Center	16902	2	Lower					
	Kings Daughters M	ledical Cen	ter Ohio	16921		Lower					
Res	sult 19 ×										
Out	tput :									00000000000	000000000000000000000000000000000000000
	Action Output		•								
	# Time /	Action							N	Message	
0	1 13:00:15 S	ELECT	f.Name, p.Hip_	Knee_	Cost, p.Hip_	Knee_	Value FROM	facility	f 7	61 row(s) r	etumed
							2.0	-	- 30	-	

#Compare hospitals' safety ratings across different states.

SELECT

f.State,

COUNT(CASE

WHEN r.Safety = 3 THEN 1

END) AS Above\_safety,

COUNT(CASE

WHEN r.Safety = 1 THEN 1

END) AS Below\_safety

**FROM** 

facility f

JOIN

rating r ON f.Facility\_ID = r.Facility\_ID

GROUP BY f.State;

	Result Grid 1							
		State Above_safety		Below_safety				
	•	AK	7	7				
		AL	22	21				
03.5		AZ	20	9				
		AR	15	12				
		CA	88	90				
		CO	19	16				
		СТ	7	2				
		DE	0	0				
			_	_				



#Compare the effectiveness of care ratings between different hospital types.

# SELECT

f.Type,

COUNT(CASE

WHEN r.Effectiveness = 3 THEN 1

END) AS Above\_Effect,

COUNT(CASE

WHEN r.Effectiveness = 1 THEN 1

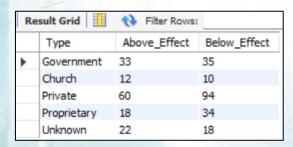
END) AS Below\_Effect

## **FROM**

facility f

JOIN

rating r ON f.Facility\_ID = r.Facility\_ID GROUP BY f.Type;





# Identify hospitals where readmission rates are below the national average.

# SELECT

f.Name, f.City, f.State, r.Readmission

**FROM** 

facility f

JOIN

rating r ON f.Facility\_ID = r.Facility\_ID

#### WHERE

r.Readmission = 1;

R	esult Grid 🔠 🙌 Filter Rows:		Export	Wrap Ce
	Name	City	State	Readmission
•	Providence Seward Hospital	Seward	AK	1
	Ketchikan Medical Center	Ketchikan	AK	1
	Mt Edgecumbe Hospital	Sitka	AK	1
	Callahan Eye Hospital	Birmingham	AL	1
	Jackson Hospital & Clinic Inc	Montgomery	AL	1
	Community Hospital Inc	Tallassee	AL	1
	St Luke's Medical Center	Phoenix	AZ	1
	Kingman Regional Medical Center	Kingman	AZ	1
	Lake Martin Community Hospital	Dadeville	Al	1

#Find hospitals where the patient experience is rated above national averages.

SELECT

f.Name, f.City, f.State, r.Experience AS Experience\_rating

**FROM** 

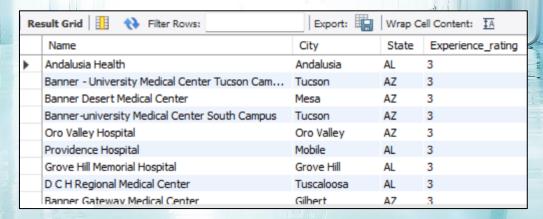
facility f

JOIN

rating r ON f.Facility\_ID = r.Facility\_ID

WHERE

Experience = 3;



#List hospitals where timeliness of care is rated as above national average.

## SELECT

f.Name, f.City, f.State, r.Timeliness AS Timeliness\_rating

**FROM** 

facility f

**JOIN** 

rating r ON f.Facility\_ID = r.Facility\_ID

#### WHERE

Timeliness = 3;

Re	sult Grid H	Export:	Wrap C	ell Content: ‡A
	Name	City	State	Timeliness_rating
<b>&gt;</b>	Providence Seward Hospital	Seward	AK	3
	Dekalb Regional Medical Center	Fort Payne	AL	3
	Jackson Hospital & Clinic Inc	Montgomery	AL	3
	Banner - University Medical Center Tucson Cam	Tucson	AZ	3
	Lake Martin Community Hospital	Dadeville	AL	3
	Banner Thunderbird Medical Center	Glendale	AZ	3
	St Vincent's Birmingham	Birmingham	AL	3
	Banner Del E. Webb Medical Center	Sun City West	AZ	3
	Northeast Alahama Regional Medical Center	Anniston	Al	3

#Identify hospitals with the most effective use of imaging (rated above the national average).

#### SELECT

f.Name, f.City, f.State, r.Imaging AS Imaging\_rating

#### **FROM**

facility f

JOIN

rating r ON f.Facility\_ID = r.Facility\_ID

#### WHERE

Imaging = 3;



#Compare the cost and quality of care for heart failure across hospitals.

## **SELECT**

f.Name, p.Heart\_Failure\_Cost, p.Heart\_Failure\_Quality

FROM

facility f

JOIN

procedures p ON f.Facility\_ID = p.Facility\_ID

**WHERE** 

# p.Heart\_Failure\_Quality = 'Average' ORDER BY p.Heart\_Failure\_Cost ASC;

Re	sult Grid 🔢 🚷 Filter Rows:	Export: Wrap Cell Content: TA		
	Name	Heart_Failure_Cost	Heart_Failure_Quality	
•	Seton Edgar B Davis Hospital	11716	Average	
	Kings Daughters Medical Center Ohio	12947	Average	
	Maimonides Medical Center	13054	Average	
	Scripps Memorial Hospital - Encinitas	13122	Average	
	St. Joseph's Hospital And Medical Center	13287	Average	
	Glens Falls Hospital	13374	Average	
	University Hospital Of Brooklyn (Downstate)	13391	Average	
	Muleshoe Area Medical Center	13420	Average	
	John C. Lincoln North Mountain Hospital	13788	Average	

# #Hospitals with Value (Lower) & Cost for Pneumonia Treatment

# SELECT

f.Name, p.Pneumonia\_Cost, p.Pneumonia\_Value

# **FROM**

facility f

JOIN

procedures p ON f.Facility\_ID = p.Facility\_ID

## WHERE

p.Pneumonia\_Value = 'Lower'

ORDER BY p.Pneumonia\_Cost ASC;

Re	sult Grid 🔢 💎 Filter Rows:	Export	: Wrap Cell Cont
	Name	Pneumonia_Cost	Pneumonia_Value
١	Muleshoe Area Medical Center	13038	Lower
	Seton Edgar B Davis Hospital	13192	Lower
	John C. Lincoln North Mountain Hospital	13248	Lower
	Martha's Vineyard Hospital Inc	13812	Lower
	Jones Memorial Hospital	14008	Lower
	St Marks Medical Center	14008	Lower
	Maria Parham Medical Center	14025	Lower
	Rockefeller University Hospital	14032	Lower
	Maimonides Medical Center	14060	Lower

# #Find hospitals with the best value for hip/knee procedures based on cost and quality.

## SELECT

f.Name,

p.Hip\_Knee\_Cost,

p.Hip\_Knee\_Quality,

p.Hip\_Knee\_Value

## **FROM**

facility f

JOIN

procedures p ON f.Facility\_ID = p.Facility\_ID

# WHERE

p.Hip\_Knee\_Value = 'Lower'

ORDER BY p.Hip\_Knee\_Cost ASC;

_							
Re	Result Grid						
	Name	Hip_Knee_Cost	Hip_Knee_Quality	Hip_Knee_Value			
•	Cleveland Clinic Hospital	15517	Average	Lower			
	Faulkton Area Medical Center	16009	Average	Lower			
	Chi St Lukes Health Memorial Lufkin	16683	Average	Lower			
	Arkansas Heart Hospital, Llc	16738	Better	Lower			
	Kaiser Foundation Hospital - Baldwin Park	16779	Average	Lower			
	Siloam Springs Regional Hospital	16785	Average	Lower			
	Banner Boswell Medical Center	16861	Average	Lower			
	Glendale Mem Hospital & Hlth Center	16902	Average	Lower			
	Kings Daughters Medical Center Ohio	16921	Average	Lower			

# #Top 5 Hospitals with Best Overall Ratings in Each State

# SELECT

f.Name, f.State, r.Overall

# **FROM**

facility f

JOIN

rating r ON f.Facility\_ID = r.Facility\_ID

# WHERE

r.Overall = 5

ORDER BY f.State, r.Overall LIMIT 5;

Re	sult Grid		Export
	Name	State	Overall
•	Sitka Community Hospital	AK	5
	Eliza Coffee Memorial Hospital	AL	5
	Andalusia Health	AL	5
	Washington Regional Medical Center	AR	5
	Drew Memorial Hospital	AR	5

# #Analyze the relationship between heart attack cost and mortality rating.

# SELECT

f.Name, p.Heart\_Attack\_Cost, r.Mortality AS Mortality\_Rating

# **FROM**

facility f

JOIN

procedures p ON f.Facility\_ID = p.Facility\_ID

JOIN

rating r ON p.Facility\_ID = r.Facility\_ID

# WHERE

r.Mortality IN ('3', '1')

ORDER BY p.Heart\_Attack\_Cost DESC;

Re	esult Grid 🎚 🙌 Filter Rows:	Export:	Wrap Cell Con
	Name	Heart_Attack_Cost	Mortality_Rating
١	San Gorgonio Memorial Hospital	28535	3
	Lea Regional Medical Center	28158	1
	Penn Medicine Princeton Medical Center	28066	3
	Northridge Hospital Medical Center	27929	3
	Baylor Surgical Hospital At Fort Worth	27906	1
	Sullivan County Memorial Hospital	27764	1
	Mount Carmel St Ann's	27141	1
	Hancock Regional Hospital	26819	1
	Hala Ha'ola Hamalura	26712	4